KRAL, EMANUEL

Nemoci pohyboveho ustroji domacich zvirat. (3 doplnene vyd.) Fraha, Statni pedagogicke nakl., 1957. 425 P. (Ucebni texty vysokych skol) (Diseases of the motor system of domestic anamals; a university texbook. 3d enl. ed.) DA Not in DLC

SO: Monthly Index of East European Acessions (EEAI) Vol. 6, No. 11 November 1957

KINZ I

KRAL, E.

Building machinery exhibited at the Exhibition of Engineering at Brno, in 1956.

P. 6 (Mechanisace) Vol. 4, No. 1, Jan. 1957, Czechoslovakia

SO: MONTHLY INDEX OF EAST EUROPEAN ECESSIONS (EEAI) LC. - VOL. 7, NO. 1, JAN, 1958

ERAL, E.

Will the building trade ge+ +1: machines it needs.

P. 77, (Mechanicace) Vol. 4, no. 3, Mar. 1957, Gmechoslovekia

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (REAI) IC. - VOL. 7, NO. 1, JAN. 1958

KRAL, Emil, doc., inz.

Commemorating the 60th birthday of professor Vladimir Smitka. Inz stavby 10 no.4:150,155. Ap '62.

KRAL, Emil, doc., inz.

The Part of the Control of the Control

Large containers for loose material reloading in railway yards. Poz stavby 11 no.3:159-162 '63.

1. Ceske vysoke uceni technicke, Praha.

. KRAL, Eugen, inz.

"Vegetation of the earth in ecological view" by H.Walter. Reviewed by Eugen Kral. Les cas 10 no. 4:430-432 Ap '64.

1. Institute of Forest Economic Development, Worksite Zdar nad Sazavou.

KRAL, Eugen, inz.

Forest and forestry in Hungary. Les cas 11 no.4:399-404 Ap '65.

1. Institute of Forest Economic Development, Worksite Zdar nad Sazavou.

KRAL, F.; SEFRANEK, B.; DANEK, F.

"New Principles in the Autumn Mutrition of Plants", P. 683, (ZA SOCIALISTICKE ZEMEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

JO: Monthly List of European Accessions, (EEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KRAL, F.; BRDA, J.

"System of Crop Rotation and Mechanized Manuring", P. 719, (ZA SOCIALISTICKE ZEEDELSTVI, Vol. 4, No. 7/8, July/Aug. 1954, Praha, Czechoslovakia)

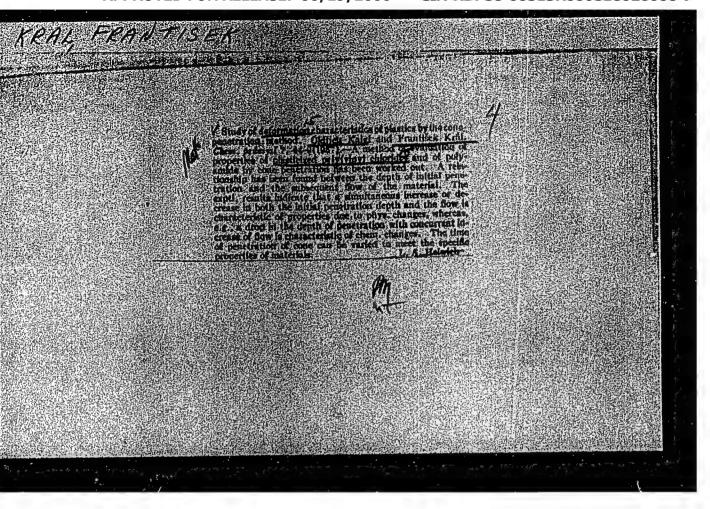
SO: Monthly List of East European Accessions, (SEAL), LC, Vol. 3, No. 12, Dec. 1954, Uncl.

KRAL, F,; KAIGL, O.

New rubber packing rings for Ozechesloviak readuage, p. 250.

Zala HZHICNI DOPRAVA A TECHNIKA. (Ministerstvo dopravy) Praha, Czechoslovakia Vol. 7, no. 8, 1959

Monthly List of East European Accessions (EEAI) LC, Vol. 8, No. 11. Nov. 1979
Uncl.



K'AL, F.

Prorequisites for successful development of electrification in acriculture. p. 74. ELEKTROTECHNIK. (Einisterstvo strojirentsvi) Prahe. Vol. 11, no. 3, Mar. 1956.

COURCE: East European Accessio s List, Vol. 5, no. 9, Septembe : 1956

Kral, F.

What to do with older electric equipment. p. 169 ELEKTEO-TECHNIK. (Ministerstvo strojirenstvi) Praha. Vol. 11, nc. 5, May 1956.

Source: FEAL LC Vol. 5, No. 10 Oct. 1956

KRAL, F.

KRAL, F. Dangerous lightning rods. p. 18.

Vol. 12, no. 1. Jan. 1957 ELEKTROTECHNIK TECHNOLOGY Czechoslovakia

So: East European Accession, Vol. 6, No. 5, May 1957

KRAL. F.

TECHNOLOGY

Periodicals: ELEKTROTECHNIK Vol. 14, no. 3, Mar, 1959

KHAL, F., Danger resulting from static electricity. p. 100.

May 1959, Unclass.

KRAL, F.

Explosions in electric installations and their consequences. p. 331.

ELEKTROTECTUR. (Ministerstvo tezkeho strojirenstvi) Praha, Czechslovakia. Vol. 14, no. 10, Oct. 1959.

Monthly list of East European Accessions (EEAI) LC, vol. 9, no. 1, Jan. 1960.

Uncl.

S/263/62/000/006/006/015 I008/I208

AUTHOR:

Král, Frantisek

TITLE:

An electromagnetic dispenser with a solenoidal valve

PERIODICAL:

Referativnyy zhurnal, otdel'nyy vypusk. 32. Izmeritel'naya tekhnika, no.6, 1962, 34, abstract 32.6.207. (Prumysl potravir, 1961, 12, no.6, 329 [Czech.])

TEXT: The Stara Tura (Czechoslovak Democratic Republic) fine mechanics works put on the market an electromagnetic liquid dispenser of the type V na 6. By pressing a pushbutton once, the dispenser is started to dispense a preset amount of liquid; by pressing twice, the flow of the liquid is arrested. The control box is supplied with light indicators: red - "off"; green - "on". The device may be operated by remote control. The device contains a flowmeter, a solenoidel valve, a filter, a control box and a power supply. The dose is set by turning an iron ring. The working temperature reaches 40° at 6 atm pressure. The doses are

Card 1/2

S/263/62/000/006/006/015 1008/1208

An electromagnetic dispenser ...

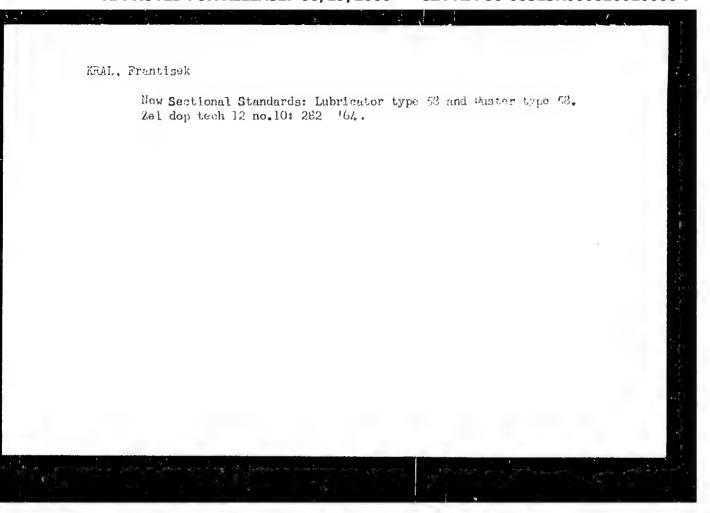
10-100 1. The maximum dispensing capacity at 4 atm pressure is 600 1/hr. There are 2 figures.

[Abstractor's note: Complete translation.]

Card 2/2

KRAL, Frantisek; TRESNAK, Zdenok, ins.

Polyvinyl chloride coating of the roof covering of freight cars. Zel dop tech 11 no.9:260-263 *63



KRAL, Frantisek, inz.

Conference on the new technology in liovy Bor. Sklar a keramik 14 no.12:348 D $^{1}64_{\bullet}$

1. Severoceske sklarny, Svor u Cvikova.

KRAL, Iosef [Kral, Josef]

Double layer potential in n-dimensional space. Dokl. AM SSSR 159 no.6:1218-1220 D '64 (MIRA 18:1)

1. Karlov universitet i Matematicheskiy institut Akademii nauk Chekhoslovatskoy Sotsialisticheskoy Respubliki, Praga. Predstavleno akademikom V.I. Smirnovym.

S/081/62/000/019/028/053 B101/B180

AUTHOLD: Kral Ivan, Dáor Menék

Titlb: Determination of the composition of vinyl caloride and vinyl

acetate colony i

13. J DICAL: Referatively shured. Rhimiya, no. 19, 1962, 506, abstract

1919 (Maubul .. pl. s. danoty, no. 8, 1961, 258-261 [Grech.])

Taxl: A rapid and easy methor has been developed for determining vinyl caloride and vinyl acetate (1) in copolymers of vinyl caloride and I. The newplocus dissolved in a likture of methodol and water (1:1), then the copolymer was deparated, dried, homogenized, and analyzed. Chlorine was determined by the modified description wethod (a weighed portion 0.1 g is burned, with argentometric bitration of the chlorides). The I content in the copolymer was determined by IL spectroscopy and the intensity of the 1750 cm⁻¹ absorption band, which is characteristic of carbonyl groups, has seasured. [betracker's note: Complete translation.]

Dard 1/1

ACCESSION NR: AP4022947

S/0020/64/155/001/0032/0034

AUTHORS: Kral, Iosef

TITLE: On angular limiting values of Cauchy type integrals

SOURCE: AN SSSR. Doklady*, v. 155, no. 1, 1964, 32-34

TOPIC TAGS: real variable functions, measure theory, integration theory, Cauchy integral, angular limiting value

ABSTRACT: Let C be a simple oriented rectifiable arc in the complex plane E_2 . For any finite function φ , integrable with respect to the linear measure on C, and for any point of $\eta \in C$, let

$$\Phi_{\eta}(z) = \int \frac{\varphi(\zeta) - \varphi(\eta)}{\zeta - z} d\zeta, \quad z \in E_{1} \setminus C.$$

For functions φ which take only real values on C, let

 $\Phi_{\mathfrak{q}}^{1}(z) = \operatorname{Re} \Phi_{\mathfrak{q}}(z), \quad \Phi_{\mathfrak{q}}^{3}(z) = \operatorname{Im} \Phi_{\mathfrak{q}}(z).$

Necessary and sufficient conditions are given for the existence of a limiting value for each of the integrals $\Phi_q(z)$, Φ (2), as z approaches $\Phi_q(z)$

APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020006-7"

ACCESSION NR: AP4022947

n along a path not tangent to C, under the assumption that there is a function P defined on C, bounded, non-negative, lower semi-continuous, and such that

 $\varphi(\zeta) - \varphi(\eta) = O(p(\zeta)), \quad \zeta \to \eta; \tag{1}$

or $\varphi(\zeta) - \varphi(\eta) = o(\rho(\zeta)), \quad \zeta \to \eta.$

The conditions are expressed in terms of the quantities $v_n^{\kappa}(\eta; P)$, $V_n^{\kappa}(\eta; P)$ (K=1,2), previously introduced by the author for the special case p = 1, and defined as follows. For a \leq b and R > 0, let

 $S_R(\eta; a, b) = \{\eta + re^{ig}; \ 0 < r < R, \ a < y < b\}.$ (3)

For real x and $T_R(x;q;p) = \sum_{k} p(k)$, $k \in C \cap S_R(\eta; x, x)$ (4)

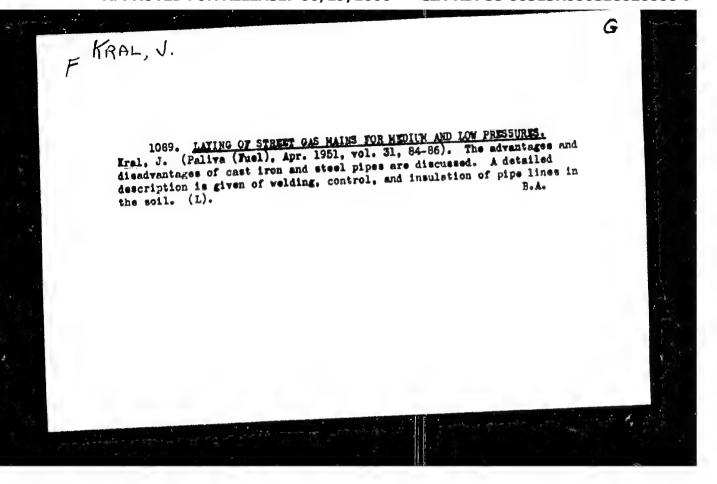
and $\gamma_{R}(x;\eta,p) = \sum_{n} |\zeta - \eta| p(\zeta), \quad \zeta \in C \cap S_{R}(\eta;x,x).$

Also, for x>0, let $v(x; \eta, p) = \sum_{x} p(\xi), \quad \xi \in C, \quad |\xi - \eta| = x.$

Card 2/4

$v_{R}^{1}(\eta; p) = \int_{0}^{3R} T_{R}$ $V_{R}^{1}(\eta; p) = \int_{0}^{R} x^{-1} dx$	$\mathcal{T}_{R}(x; \dots), \forall (p; \dots) \text{ are Le}$ $(x; \eta, p) dx, v_{R}^{2}(\eta; p) = \int_{0}^{R} v(x; \eta, p) dx,$ $\forall (x; \eta, p) dx, V_{R}^{2}(\eta; p) = \int_{0}^{2\pi} \Gamma_{R}(x; \eta, p) dx,$ $0, a \leq b, \text{ and suppose C does}$ $0, a \leq b, \text{and suppose C does}$ $0, a \leq b, a \leq b, $	(7) fx. (1)	
well, and let a < x < b. satisfying	$0 - \varphi(\eta) < K\rho(0), \xi \in C,$	(9)	- 3
for some positive K, the	$V_{\infty}^{\lambda}(\eta; \rho) < \infty,$	(10)	
for K = 1,2.		والمراجعة والمستود والمستودة والمستو	
Card_3/4		and the second of the second o	and the state of t

	$V_{\rho}^{k}(\eta; \rho) < \infty$	(K = 1, 2)	(11)	
$\phi(c)$.	$= Y \cup V dt = \lim \Phi$	isfying (1), we have $z \in S_R(\eta; a_i, b_i)$,	(/2)	
where a <al (9)="" 00<="" <="" a="" art.="" b.="" bl="" for="" given="" has:="" k,="" orig.="" th=""><th>All Φ_n corrare equicont</th><th>esponding to function inuous on S. (7; a1,</th><th>s psatisfying bl for OZrZR. arlov University)</th><th></th></al>	All Φ_n corrare equicont	esponding to function inuous on S. (7; a1,	s psatisfying bl for OZrZR. arlov University)	
where a <al <br=""></al> % for a given K.	All Φ_n corrare equicont	esponding to function inuous on S. (7; a1,		



L 62161-65 ACCESSION NR APPULOSOS (2/0032/64/014/012/0915/0917 AUTHOR: Kral J. proving Protecting the conting parts of hydranlic turbines egainst caylightion SOURCE Strollrenster, v. 14, no. 12, 1964, 915-917 TOPIC TACES: metal plating; surface hardening, systemilic equipment, water turbine Abstract (Author's English summary, modified); The article deals with two methods, plating and hard surfacing, applied to protect working parts of hydraulic turbines against cavitation.
The protection provided by plating is not very reliable. On
exposed parts of the furbines, platings are torn off and distorted. Hard surfacing is better in every respect. The article
compares the two methods not only from the technical, but also
from the economic point of views orig, art, has 5 figures, 1 graph, and 2 tables. ASSOCIATION: CKD, Blancks SUBMITTED: 00 ENCLY CO BUB CODE: 02. 图 NO REF SOVE GOO OBERT 000 JPHS Card 1/1

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FRIT, J.

Serial monterpage. T. 2.
(Butter, Mcl. 37, No. 1, leff (Published 105))

So: Fonthly List of East European Accessions (MINI) IS Vol. 7, No. 15, Dec. 1857
Encl.
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KRAL, J.; PETER, R.; SISTEK, J.; VESELY, K.

Gynecological surgery in childhood. Cesk. gynek. 29 no.5: 384-387 Je¹64

1. Katedra p r. a gyn. dospelych a deti pri fak. det. lek. KU [Karlovy university] v Praze; vedoucis prof. dr. R.Peter. DrSc.

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP8

CIA-RDP86-00513R000826020006-7

CZECHOSLOVAGIA/Chemical Technology. Chemical Products and Their H-13 Application. Ceramics. Glass. Binding Materials. Concrete

Abs Jour : Ref Zhur - Khim., No 24, 1958, No 82434

Author : Krenek Z., Kral J.

Inst :

Title : Possibility of the Utilization of Phenolite (sic) in the

Minufacture of Alkaline Earth Glazings for Stone Products

Orig Pub: Stavivo, 1958, 36, No 5, 180-181

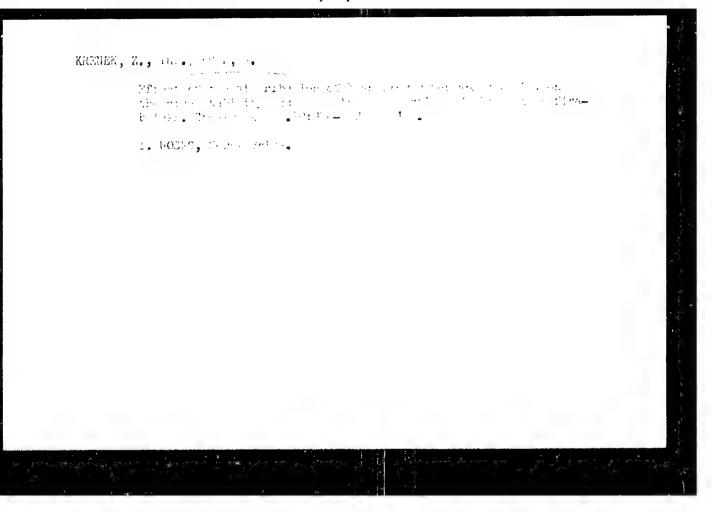
Abstract : Qualities of feldspar, pegantite, and phonolite (sic) were

investigated and compared for the purpose of establishing a possibility of substituting the latter for the two former ones in the alkaline earth glazings. Three compositions of

glazing are recommended for practical applications.

Card : 1/1

42



ZIKA, Miloslav; ZELENKOVA, Jirina; KRAL, Jan

Effect of potentiated medication on the course of labor. Cas. lek. cesk. 101 no.44:1310-1315 2 N '62.

1. Gynekologickeporodnicke oddeleni OUNZ v Pribrami, prednosta MUDr. Karel Marsal.

(NATURAL CHILDBIRTH) (BARBITURATES) (ANTIHISTMINICS)
(ERGOT ALKALOIDS, HYDRCGENATED) (LABOR)

CZECHOSLOVAKIA/Diseases of Farm Animals - Diseases of Unknown

R-3

Etiology.

Abs Jour

: Ref Zhur - Biol., No 4, 1958, 16943

Author

Kral, J.

Inst

-

Title

Infectious Bronchopneumonia of Cattle.

Orig Pub

: Veterinarstvi, 1956, 6, No 11, 334-336.

Abstract

During the last 2 years, 5 enzootic diseases with a typical course and pathologo-anatomical changes were observed. In 90% of the cases, the disease had a favorable character, and in the course of 8-15 days a spontaneous recovery occurred. Only in the single animals a periodic cough was observed and the bronchopneumonia changed into a chronic one. Apparently, such animals became long-standing carriers of the infection. In severe cases, a catarrhal lobular bronchopneumonia and interstitial emphysema were observed. Different opinions as to the etiology of the

Card 1/2

- 15 -

CZECHOSLOVAKTA/Diseases of Farm Animals - Diseases of Unknown Etiology.

R-3

Abs Jour

: Ref Zhur - Biol., No 4, 1958, 16943

disease (viral, rickettsial, and pasteurellar theories) are quoted. In the majority of cases, during the acute stage of the disease, in the lung tissue, on the mucosa of the bronchi and in the mucus of the Pasteurellae, Bact. coli, Proteus, and less often streptococci, were found. Rickettsia-like elements were not detected in the smears. For the treatment of bronchopneumonia, antibiotics, and in their absence sulfonamides, are recommended. The author considers bronchopneumonia as a certifiable disease, which should be classified as a viral infection, Pasteurellae being secondary agents. -- V.A. Kanzyuba.

Card 2/2

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7

CZECHOSLOVAKIA/Microbiology - Microbes Pathogenic for Man and FAnimals. Bacteria. Bacteria of the Intestinal Group.

Abs Jour : Ref Zhur Biol., No 22, 1958, 99387

Author : Kral, J., Trunkat, J.

Inst : - Bacteriophage in the Prophylaxis and Therapy of

Salmonellosis.

Orig Pub : Veterin. med., 1958, 3, No 1, 43-58

Abstract : No abstract.

Card 1/1

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7

Country CZECHOSLOVAKIA

Catogory Diseases of Farm Animals. Diseases Caused by

Bacteria and Fungi

Abs. Jour.: Ref Zhur-Biol, No 23, 1958, No 105810

Author Institut. : Kral, J.

Title

: Diagnosis, Eradication and Prophylaxis of

Vibriosis in Cattle

Orig Pub.

: Veterinarstvi, 1958, 8, No 3, 104-106

Abstract

: A report is made on the ascertaining of the existence of vibriosis in Czechoslovakia. The clinical picture, diagnosis, therapy and prophylaxis of this disease are described mainly

according to literary data.

Sard:

1/1

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7

CZECHOSLOVAKIA

SCHEMID, I., of the Consultation Center for Physical Culture (Telovychovny lekarska poradna), Prague 2, Prof Dr J. KRAL, director.

"Sports Hedicine and Boxing"

Prague, Casonis Lekaru Ceskych, Vol CII, No 16, 19 April 63, pp 427-429.

Abstract [Author's English summary]: From discussions among physicians the following conclusions may be drawn on boxing: Euch has been done for the health of boxers, but not enough. The accident rate in boxing is lower than in some other sports. All armies in the world include boxing into their physical-training program. When all rules and regulations are respected there are no objections against boxing. Thirty-one references, including 1 Czech, 3 Russian, and 1 Polish.

1/1

BENESOVA, D.; KRAL, J.; PETER, R.; SISTEK, J.; VESELY, K.

Cooperation between the clinician and pathologist in analyzing causes of fetal death. Cesk.gynek. 28 no.8:542-544 0 '63.

1. Ustav patol. anat. fakulty detskeho lekarstvi KU v Praze (prednosta doc. dr. D. Benesova) a III. gym.-por. klin. fak. detskeho lekarstvi UK v Praze (prednosta prof. dr. R. Peter, DrSc).

KRAL, J.

Protection of hydraulic turbine parts from cavitation. Strojirenstvi 14 no.12:915-917 D 164.

1. Ceskcmoravska-Kolben-Danek Mational Enterprise, Blansko.

KRENOVA-PECLOVA, Drahomira; KRAL, J.; BABOROVSKA, Jana; KREN, V.

Split tolerance in rats. Folia biol. (Praha) 9 no.4:258-264 '63.

1. Department of Biology, Faculty of General Medicine, Charles University, Prague.

(SKIN TRANSPLANTATION) (ANTIBODY FORMATION)

(ERYTHROCITES) (ANTIGEN_ANTIBODY REACTIONS)

KRAL, Josef; MARIK, Jan

Integration on a smooth surface according to the Hausdorff measure. Cas pro pest mat 89 no.4:433-448 0 '64.

1. Faculty of Mathematics and Physics of Charles University, Prague 8, Sokolovska 83. Submitted November 9, 1963.

PETER, R.; KRAL, J.; SISTEK, J.; VESELY. K.

Prevention of thromboembolism in gymecology and obstetrics. Cesk. gyn. 28 no.4:230-234 My 163.

1. III gyn.-por. klin. pediatr. fak. KU v Praze, prednosta prof. dr. R. Peter, DrSc.
(THROMBOEMBOLISM) (GYNECOLOGY)

(THROMBOEMBOLISM) (GYNECOLOGY) PUERPERAL DISORDERS) ELECTROCARDIOGRAPHY)

(PULMONARY EMBOLISM) (POSTOPERATIVE CARE)

SEREKA, A.; JAKUBEC, I.; KRAL, J.; VRBA, C.

Anesthesia with carbanic acid series preparation. Cas.cesk.lek. Ved.priloha 63 no.9-12:293-297 Dec 1950. (CIML 20:9)

1. Of the Institute of Pharmaceutical Chemistry of Masaryk University in Brno and of Institute of Pharmacology of the Veterinary School in Brno.

MELICHAR, M.; CHALABAIA, M.; KHAL, J.; MALY, J.; PRECECHTEL, M.; HUSEK, V.; SMECKA, V.; SOLICH, J.; SANDA, H.; ZACEK, H.

Working schedule for pharmacy students in 1952. Cesk. farm. 1 no.10: 605-612 1952. (CLML 23:4)

1. Of the Department of Galenic Pharmacy of Masaryk University, Brno.

SEKERA,A.; HRUBY,J.; JARUBEC,I.; KRAL,J.; VRBA,C.; LEBDUSKA,J.

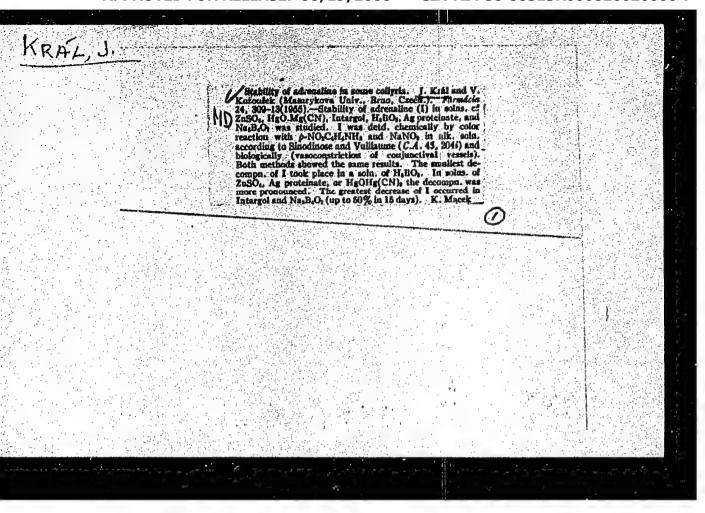
Local anesthetics. Basic esters of substituted carbanic acids [with summary in English]. Sbor.Chekh.khim.rab. 18 no.6:870-879 D '53.

(MIRA 7:6)

1. Department of Pharmacoutical Chemistry of the University, and Pharmacological Department of the Veterinary School, Brno.

(Anesthetics) (Carbanic acid) (Esters)

"APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7



Η

CZECHOSLOV.KIA/Chemical Technology. Chemical

Products and Their ... pplications. Medicinal Substances. Vitamins.

intibiotics.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20542

Author : Kral, Jaroslav; Procechtel. Milan;

Sanda, Miroslav

Inst

Title : The Production Inspection of Injection

Solutions.

Orig Pub: Farmacia (Ceskosl.), 1957, 26, No 3, 71-76

Abstract : No abstract.

Card : 1/1

Η

CZECHOSLOV.KI//Chemical Technology: Chemical

Products and Their Applications.

Medicinal Substances. Vitamins.

Antibiotics.

Abs Jour: Ref Zhur-Khimiya, No 6, 1959, 20516

Author : Kral, Jaroslav; Kozousok, Vladimir

Inst
Title: On the Stability of Adrenalin in Some

Eye Drops.

Orig Pub : Farmacia (Coskosl.), 1957, 26, No 9, 264-268

Abstract : No abstract.

Card : 1/1

KRAL, Jaroslav

Spark gap for great capacity switching. Jaderna energie 9 no.7:227-232 Jl 163.

l. Fakulta technicke a jaderne fyziky, Ceske vysoke uceni technicke, Praha.

CZECHOSLOVAKIA

KRAL, Jaroslav, Docent, Dr of Veterinary Medicine, Central State Veterinary Institute (Ustredni statni veterinarni ustav), Prague, S. HALADEJ, director.

"The Antigenic Structure of Strains of Vibrio Fetus and Vibrio Bubulus Isolated in Czechoslovakia"

Prague, Veterinarmi Medicina, Vol 8(XXXVI), No 5, October 1963, pp 311-316.

Abstract [Author's English summary, modified]: A study of the antigenic structure of the somatic antigen in 17 strains of Vibrio fetus yielded two somatic strains with only one of the antigens in every strain. The strains could be classified into two distictly different groups. The antigenic structure of Vibrio bubulus seems to be more complicated with five different somatic antigens, no one related to the O-antigens of Vibrio fetus. Sixteen references.

1/1

- 2 -

KRAL, Jaroslav, doc. MVDr.

Antigenic structure of the Vibrio fetus and Vibrio bubulus strains isolated in Gzechoslovakia. Veter medicina 8 no.5:311-316 0 '63.

1. State Central Institute of Veterinary Medicine, Prague. Director of the Institute [MVDr.] S.Haladej.

KRAL, Jerzy, mgr inz.

Auxiliary functions for computing the heat and gas dynamics of turbine engines. Inst lotn prace no.20:3-9 163.

Z/031/62/000/006/001/001 D006/D102

AUTHOR:

Kral, Jindrich

TITLE:

Electrical-discharge machining of a Pelton wheel

PERIODICAL:

Strojírenská výroba, no. 6, 1962, 285

Pelton-wheel buckets is described. The electrical-discharge machining equipment comprises two remotely-controlled, 9-kW rotary pulse generators (400 cps, 200 A) with automatic current regulation. The prototype of the equipment was built by the CKD Blansko in cooperation with the Vývojový ústav pro mechanizaci a automatizaci (Development Institute of Mechanization and Automation) in Nové Mesto nad Váhom for which a patent was applied for under # PV 5725-61. The electrodes are either pressed from 6-8 mm aluminum plate or metal-mold cast. The electrode erosion equals 10-15% of the metal removed from buckets of 42 2905 steel. The ferritic-perlitic structure of the machined material is not affected by the electrical-discharge machining. The new method saves 800-1,000 manhours per wheel. Also, the

Card 1/2

z/031/62/000/006/001/001 D006/D102

Electrical-discharge machining ...

cost of electrodes and oil consumed during operation is less than the cost of the abrasives consumed previously. This example shows that even large machine parts can be machined by this method. There are 5 figures.

ASSOCIATION: CKD Blansko

Card 2/2

HAINDL, Karel, inz., C.Sc.; DOLEZAL, Ludvik, inz.; KRAL, Jindrich

Contribution to the hydraulics of a shaft spillway. Vodohosp cas 10 no.3:288-314 162.

1. Vyzkumny ustav vodohospodarsky, Praha.

HAINDL, Karel, inz., G.Sc.; DOLEZAL, Ludvik, inz.; KRAL, Jindrich

Contribution to the shaft spillway hydraulics. Part 2.

Vodohosp cas 10 no.4:370-381 '62.

1. Vyskumny ustav vodohospodarsky, Praha.

APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7"

KRAL, JIRI

And the second second second second

Zemepisny pruvodce Velkou Prahou a jeji kulturni oblasti. S 68 obrazy a 23 nacrty. (1.vyd.) (V Praze) Melantrick (1947) 309 p. (Geographical guidebook to Greater Prague and its cultural area. 1st ed. illus., bibl.)

ICU

SO: Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 4, April 1958

Medical geography. Geogr.glas. no.20;117-128 '58 (Published 1959)
(Medical geography)

(Medical geography)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020006-7

SURTALE, Given Names

Country: Gaechoslovakia

Academic Degrees: /not given/

Affiliation:

/not given/

Source: Bratislava, Geograficky Casopis, Vol XIII, No 3, 1961, pp 234-236.

Data: "Medical Geography in the USSR."

GPO 981643

CZECHOSLOVAKIA/Plant Diseases - Diseases of Cultivated Plants.

0.

Abs Jour

: Ref Thur - Biol., No 8, 1958, 34981

Author

: Kral Jiri

Inst

: Agricultural Academy of Czechoslovakia.

Title

: Sprinkling of Apple Trees as a Possible Counter-Measure Against Mange, Based on Observations of the Self-Insemina-

tion Process in the Ascospore Mushroom.

Orig Pub

: Spor. Ceskosl. akad. zemed. ved. Rostl. vyroba, 1956, 29,

No 8, 779-794.

Abstract

: The periods of self-insemination of the ascospore V. inaacqulis (Cook) Aderhold. were ascertained to be as follows: first period: April 30 to May 1st; maximum period: between April 30 and May 12; final period: from June 12 to July 12. Up to the end of May, 90 to 95% of the ascospores are released. Average 24 h. temperatures

Card 1/2

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CZECHOSLOVAKIA/Plant Diseases - Diseases of Cultivated Plants.

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Abs Jour : Ref Zhur - Biol., No 8, 1958, 34981

indispensable to the liberation of the ascospores total 140°C. under laboratory conditions, and 108 to 150°C. in the field. Mass infection of the apple trees takes place after precipitation when reaching a temperature total of 104°C. As a rule, the sprinkling undertaken according to phenological phases does not correspond with the phases of mass infection of the apple tree. It is recommended that two sprayings with copper preparation be made prior to blooming, and that these be supplemented by two or three additional general sprayings after blooming. Variety differences of the apple trees have no bearing on the release of the ascospores. The research work on the subject has been undertaken by the Prague Institute for Plant Cultivation. -- Dzholova

Card 2/2

KRAL, Jiri

Mechanization in the production of castings by the chemical-hardening method. p. 288

SLEVARENSTVI. (Ministerstvo tezkeho strojirenstvi a Ceskoslovenska vedecka technicka spolecnost pro hunictvi a slevarenstvi) Praha, Czechoslovakia. Vol. 7, no. 7, June, 1959

Monthly list of East European Accessions (EFAI) LC Vol. 8, No. 12, Dec., 1959 Uncl.

KRAL, Jiri

Molding by pneumatic application of CO₂ processed mixture. Slevarenstvi 9 no.11:416-417 N ¹61.

1. Zavody V. I. Lenina, wyzkumny ustav slevarenskych stroju, Brno.

(Molding(Founding)) (Carbon dioxide)

KRAL, Jiri; SEBOR, Pavel; STUDLIK, Stanislav; LAVICKA, Eduard

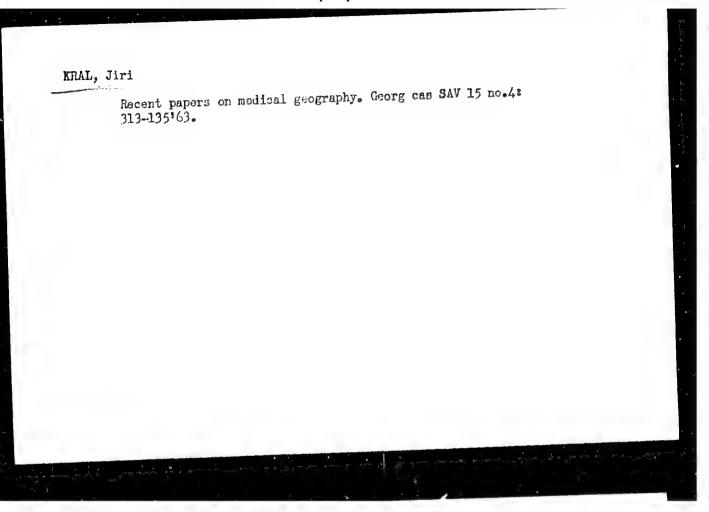
Mold and core mixtures with furan binders. Slevarenstvi 11 no.3: 98-104 Mr '63.

1. Zavody pro vyrobu kulickovych lozisek, Zavody na valiva loziska a traktory, Brno; Spolek pro chemickou a hutni vyrobu, provoz Chemotex, Boletice mad Labem.

KRAL, Jiri

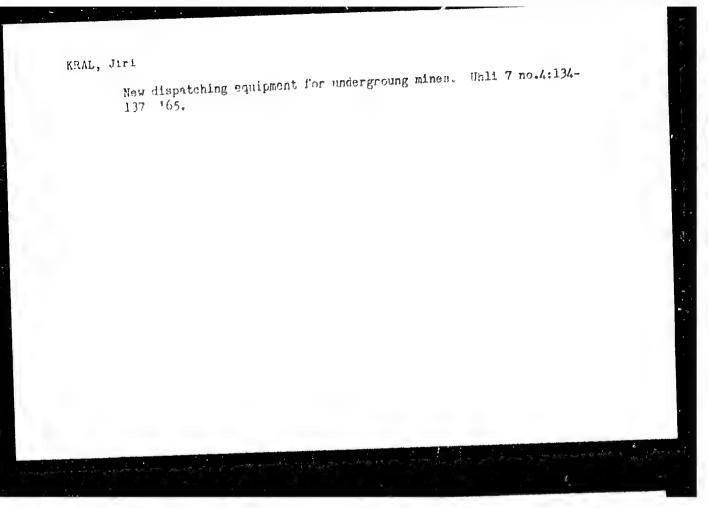
Machines and equipment for higher pressure squeeze molding. Slevarenstvi 10 no.11:419-421 N '162.

1. Zavody V.I. Lenina Plzen, vyzkum slevarenskych stroju, Brno.



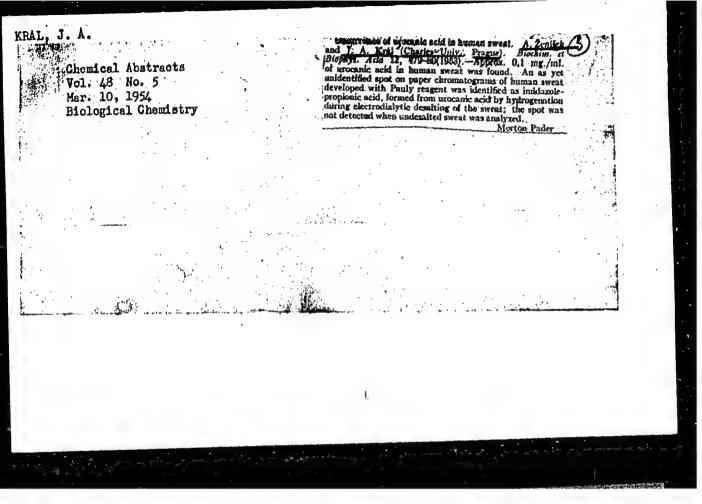
APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7"

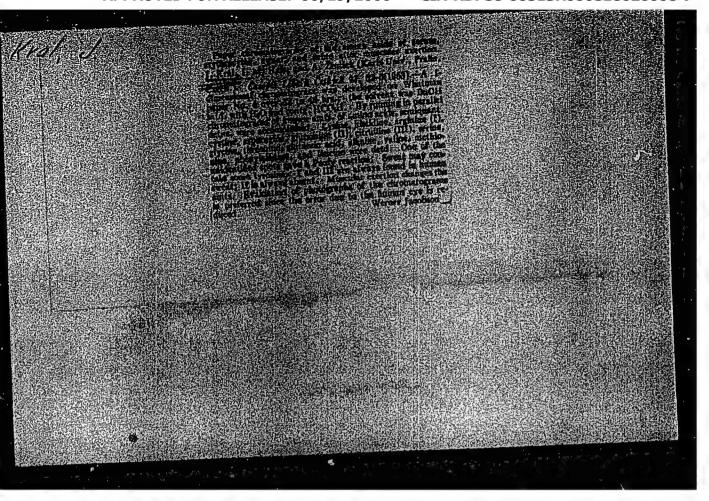
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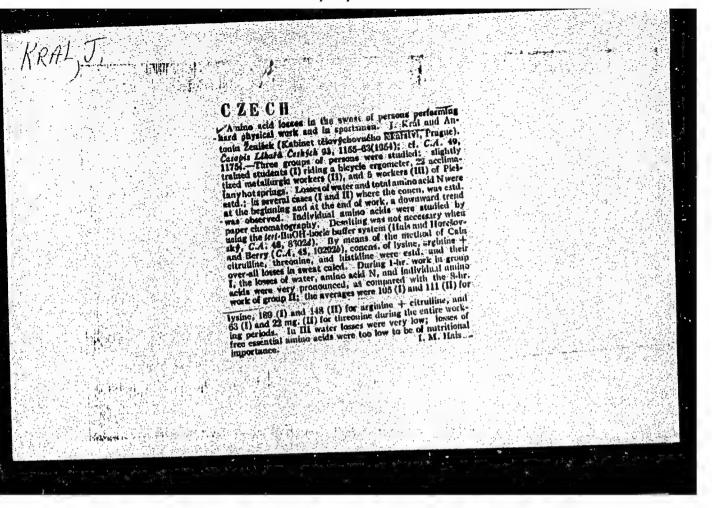


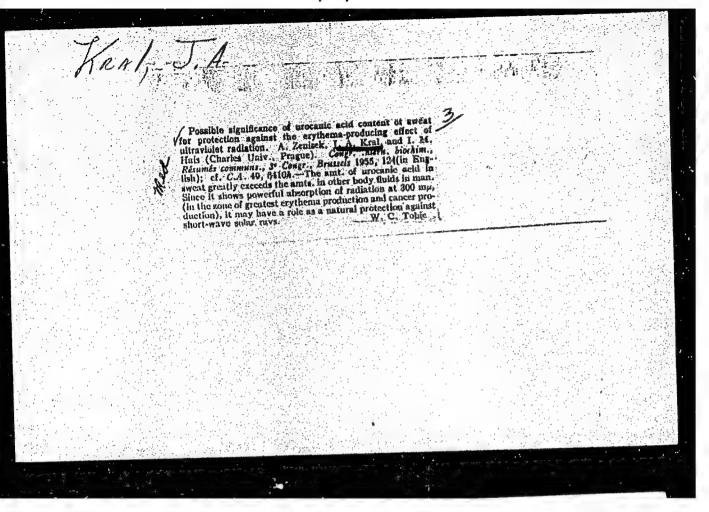


APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7"

Athletic heart. Prakt. lek., Praha 34 no.24:545-547 20 Dec 54.

1. Kabinet televychovneho lekarstvo lekarske fakulty univ. Karlovy (CARDIAC ENLARCHENT athletic, physicl.)





CZECHOSLOVAKIA/Human and Animal Physiology (Normal and Pathological). Skini

T-14

: Ref Zhur - Diol., No 11, 1958, 51403 Abs Jour

: Kral, Jiri; Zenisek, Antonin; Hais, Ivo M. Author

Carolina University of Prague, Institute of Medicine. Inst

: The Significance of Urocanic Acid in Human Sweat for the Title

Protection of the Skin from Ultraviolet Rays.

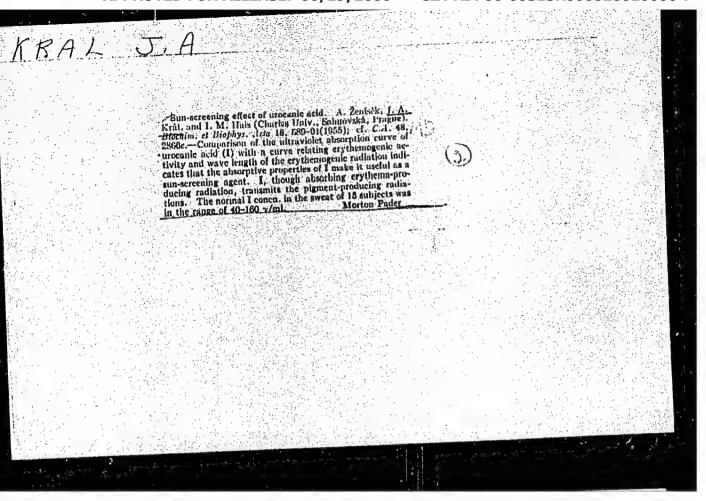
Univ. carolina. Med., 1955, Suppl. No 1, 379-384. Orig Pub

It has been established that human sweat contains urocanic Abstract

acid, produced by histidine. This acid causes sweat absorption of ultraviolet (UV) rays in the part of the spectrum (290-310 mm) which produces crythema. The possibility of using this factor in research is discussed, in ord der to find a substance which would insure artificial

skin protection from effects of UV rays. -- A.S. Raben.

Card 1/1



KRAL, J.A., MUDr. prof.; ZENISEK, A., RNDr

Paper chromatography of amino acids in blood serum, erythrocytes, sweat and urine after muscle effort; 2. communication: amino acids in patients with albuminuria after effort. Cas. lek. cesk. 94 no.5: 114-118 28 Jan 55

1. Z kabinety televychovneho lekarstvi lekarske fakulty Karlovy university v Praze. Prednosta prof. Dr. Jiri Kral

(ALBUMINURIA

amino acids in, after muscle effort, chromatography)

(BLOOD SERUM

amino acids in albuminuria after muscle effort, chromatography)

(ERYTHROCYTES

amino acids in albuminuria after muscle effort, chromatography)

SWEAT

amino acids in albuminuria after muscle effort, chromatography)

(URINE

albuminuria, amino acids after muscle effort, chromatography)

(CHROMATOGRAPHY

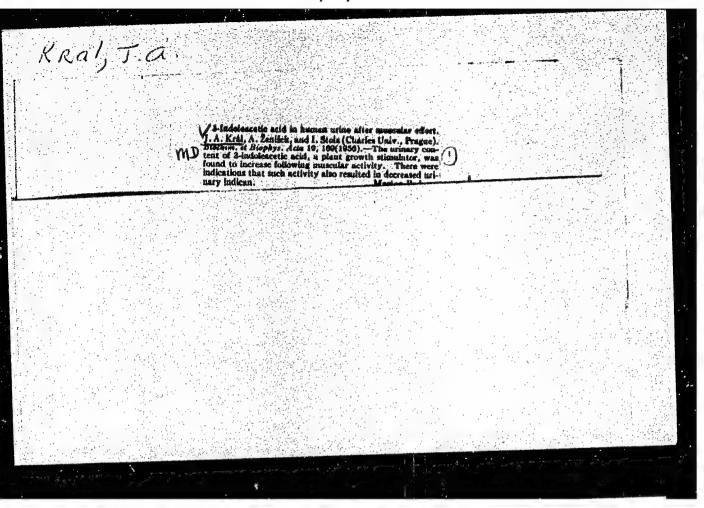
of amino acids in blood serum, erythrocytes, sweat &

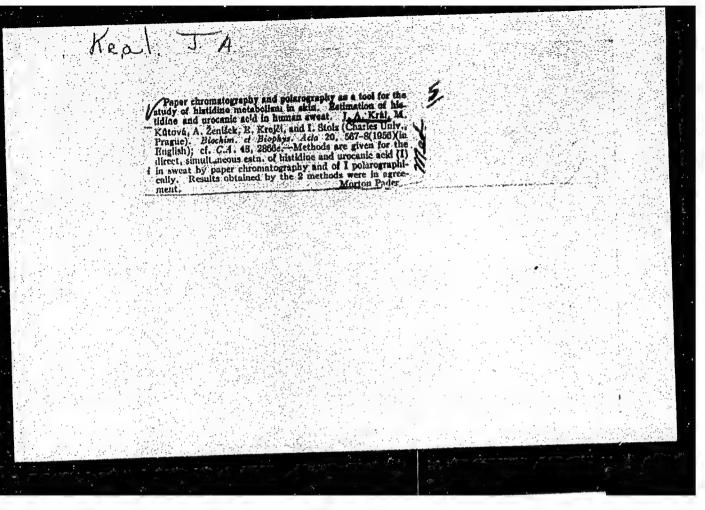
urine in albuminuria after muscle effort)

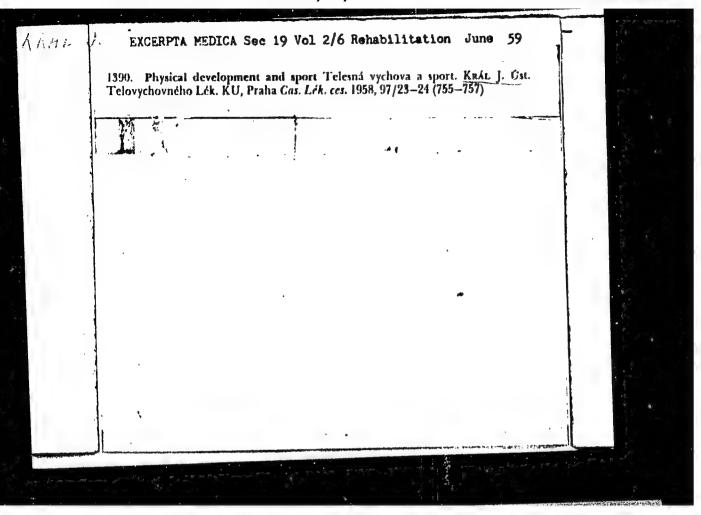
(MUSCLES, physiology

effort in albuminuria, amino acids in blood serum,

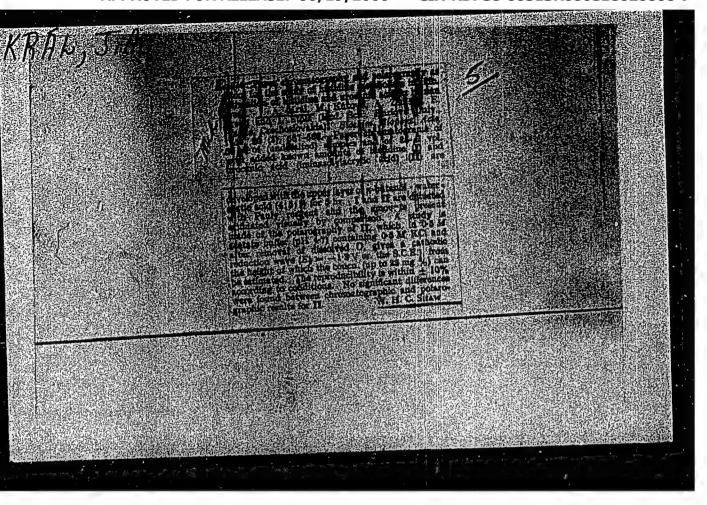
erythrocytes, sweat & urine)







APPROVED FOR RELEASE: 06/19/2000 CIA-RDP86-00513R000826020006-7"



KRAL, J. (Praha 2, Salmoveka 5.)

Physical education and athletics. Cas. lek. cesk. 97 no.23-24:755-757 6 June 58.

- 1. Ustav telovychovneho lekarstvi KU v Praze, prednosta prof. dr.
- J. Kral.

(PHYSICAL EDUCATION AND TRAINING, in Czech. (Cz))

Polarographic determination of urocanic acid in sweat. Cas. lek. cesk. 97 no.27-28:857-861 4 July 58.

1. II. ustav pro chemii lekarskou KU v Praze, prednosta prof. Dr. A. F. Richter. Ustav telovychovneho lekarstvi KU v Praze. prednosta prof. Dr. J. A. Kral. E. K., Praha 2, Salmovska 3.

(IMIDAZOLES, determination, urocanic acid in sweat, polarography (Cz))

(SWEAT, urocanic acid, polarography (Gz))

CIA-RDP86-00513R000826020006-7

KRAL, Jiri; SVEJCAR, J.; JANDA, F.; MACEK, M.; MERHAUTOVA, J.; TOMANEK, J.; SKVARA, F.

Problem of physical education of the youth. Cesk.pediat. 15 no.1: 60-67 Ja '60.

(PHYSICAL EDUCATION AND TRAINING)

KRAL, J.; TAMASSY, E.; ZINTLOVA, M. NEUMANN, J.

Therapeutic exercise following cardiac surgery. Storn.lek. 62 no.1:1-9 Ja 160.

1. Katedra telovychovneho lekarstvi fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof.dr. J. Kral. IV. interni klinika fakulty vseobecneho lekarstvi Karlovy university v Praze, prednosta prof.dr. N. Fucik.

(HEART surg.) (EXERCISE THERAPY)

"APPROVED FOR RELEASE: 06/19/2000

CIA-RDP86-00513R000826020006-7

KRAL, Jiri

EUCALE (in copn); Given Names

Country:

Czechoslovakia

Academie Degrees:

Prof MUDr

Institute of Medical Physical Training of the Faculty of "General Medicine of Charles University (Ustav televychovneho

Affiliation:

lokarstvi fakulty vseobecneho lekarstvi KU), Praguo

Source:

Brno, Vnitrni Lokarstvi, Vol VII, No 8, August 1961, pp 942-947

Date:

"The Prevention of Obesity by Exercise."

KRAL, Jiri, prof.

A history of physical exercise for women. Cesk.gyn.26[40] no.1/2: 8-10 F'61.

1. Ustav telovychovneho lekarstvi KU Praha, prednosta prof. dr.

J. Kral.

(PHYSICAL EDUCATION AND TRAINING)

ZENISEK, A.; KRAL, J. A.; HAIS, I.M.; ROTH, Z.; SKRAMOVSKY, V.; KUTOVA, M.; Technicka spoluprace M. Kyselova

Fractional composition of sweat produced by heat and strenous work. III. Effect of previous baths. Cas.lek.cesk 100 no.6:170-175 10 F *61.

Ustav telovychovneho lekarstvi KU v Praze, prednosta prof. dr.
 Kral. Vyzkumny ustav pro farmacii a biochemii, reditel inz. dr.
 Nemecek. II. ustav lekarsky chemie KU v Praze, prednosta prof. dr. J. Sula. Vyzkumny ustav chorob revmatickych, prednosta prof. dr. Fr. Lenoch.

(SWEAT chem) (BATH)

BUDINSKY, J., CSc.; DOLE ZAL, A., CSc.; KAZDA, S., CSc.; KRAL, J.

A possibility of influencing labor by pharmacological means. Cesk. gyn. 27[41] no.5:372-375 Je '62.

1. I a II. gyn.-por. klin. fak. vseob. lok. KU, Praha, Gyn.-por. klin. pediatr. fak. KU, Praha, Ustav pro peci o matku a dite, Praha-Podoli.

(LABOR) (ANESTHESIA OBSTETRICAL)

KRAL, J.A.; KOPECKA, J.; ZENISEK, A.; Technicka spoluprace: BERNAUEROVA, Z.

The effect of acute effort on the quantity of sweat and on the concentration and quantity of chlorides in sweat. Cas. lek. cesk. 104 no.34:901-906 27 Ag *65.

1. Ustav telovychovneho lekarstvi fakulty vseobecneho lekarstvi Karlovy University v Praze (prednosta prof. dr. J.A. Kral, DrSc.).

CZECHOSLOVAKIA

UDC 616.24-008.117-036.16

KRAL, J.; NOVOTNY, V.; CERMAK, V.; Institute for Medical Aspects of Physical Education, Faculty of General Diseases, Charles University (Ustav Telovychovneho Lekarstvi Fakulty Vseobecneho Lekarstvi KU), Prague, Head (Prednosta) Prof Dr J. KRAL.

"Transitory Dyspnea in Healthy Subjects. The Dead Point."

Prague, Casopis Lekaru Ceskych, Vol 105, No 35, 2 Sep 66, pp 962 - 968

Abstract /Authors' English summary modified 7: The dead point is a temporary dysphea occurring in long distance cyclists at a work load of 150-250 W on a bicycle ergometer after a 7 to 19 minute effort; it lasts 20 to 625 seconds. The authors report one case, where a crisis lasting 74 seconds occurred 6 minutes before the dead point. During the dead point, respiration and pulse rates, 02 consumption, and CO₂ elimination increase and the cidal volume, respiratory quotient, and oxygen pressure decrease. The second wind is a relief for the respiratory and circulation systems; conditions return to those occurring before the dead point. 5 Figures, 2 Tables, 30 Western, 5 Czech, 2 Russian, 1 East Geramn reference. (Manuscript received Mar 66).

Outlook for plywood roof structures and used elements. Drevo 17 no.12:359-361 D '62.

1. Vyzkumny a vyvojovy ustav drevarsky, Praha.

KRAL, Iosef [Kral, Josef]

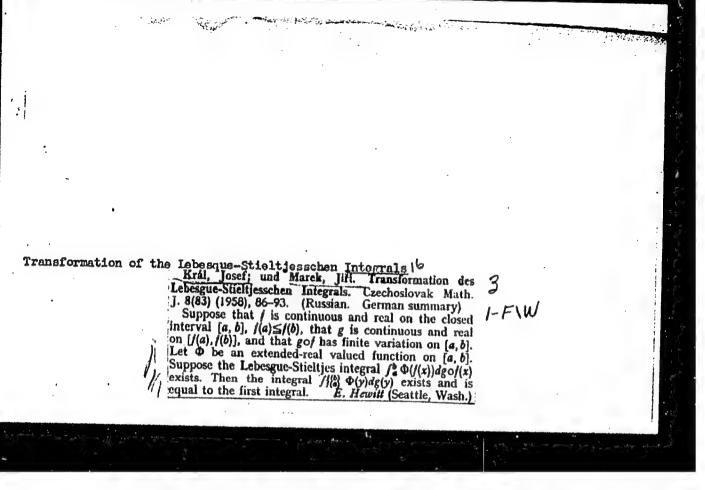
Angular limit values of Cauchy type integrals. Dokl. AN SSSR 155 no.1:32-34 Mr '64. (MIRA 17:4)

1. Karlov universitet, Praga, Chekhoslovatskaya Sotsialisticheskaya Pespublika. Predstavleno akademikom V.I.Smirnovym.

KRAL, J.; Neubauer, M.

Green's theorem; a report on the lecture given by Dr. Jan Marik before the meeting of the Prague Circle of Mathematicians on March 26, 1956. p. 476. (Casopis Pro Pestovani Matematiky. Vol.81, no.4, Nov. 1956. Para, Czechoslovakia)

SO: Monthly List of East European Accessions (EEAL) LC, Vol.6, no.6, June 1957. Uncl.



Kral, J.

On the Gauss-Ostrogradski formula. p. 283.

CASOHIS PRO PESTOVANI MATEMATIKY, Fraha, Czechoslovakia. Vol. 84, no. 3, Aug. 1959.

Monthly List of East European Accessions, (EEAI) LC, Vol. 8, no. 10, 1959. -Oct. Uncl.

KRAL, Josef (Praha)

(Functions)

KRAL, Josef (Ke Karlovu 3, Praha 2)

A note on perimeter of the Cartesian product of two sets. Cas propes mat 86 no.3:261-268 161.

1. Matematicko-fysikalni fakulta Karlovy university, Praha.

KRAL, Josef (Ke Karlovu 3, Praha 2)

On the problem of convex body surface. Cas pro pes mat 86 no.3:277-287 161.

1. Matematicko-fysikalni fakulta Karlovy university, Praha.

KRAL, Josef (Praha)

"Minkowski quantities and integrals, superadditive quantity functionals, isoperimetric inequalities" by Alexander Dinghas. Reviewed by Josef Kral. Cas pro pes mat 87 no.2:237-240